

Digital Laboratory Refractometers

Provide process and quality control with ease

- Four models cover all major lab refractometer applications
- Compact design saves valuable benchtop space

These compact benchtop refractometers are ideal for measuring Brix, salinity, refractive index, and clinical parameters with a full-scale accuracy of $\pm 0.1\%$. The internal CCD scanner (linear scanned array imaging) provides accurate, reliable measurements. Units are simple to use—place at least 0.4 mL of sample on the surface of the prism, press READ, and the sample results are displayed in seconds. The meter instantly displays the measurement and temperature on the large, easy-to-read LCD.

The sophisticated microprocessor provides automatic calibration, automatic temperature compensation, low-battery indicator, automatic shutoff (after three minutes), and visual hi/low alarms. The durable, water-resistant design protects the electronics in wet environments and makes cleanup easy. All models calibrate to distilled water and feature a simple push-button interface and 5000-reading battery life.

What's included: one 9 V battery, 5 mL of distilled water, one transfer pipet, and a protective case.



02941-33

Specifications & Ordering Information

Sample volume: 0.4 mL (minimum)	Response time: 3 seconds	Display: 5-digit LCD	Dimensions: 7"W x 2½"H x 4"D			
Catalog number	Range	Resolution	Accuracy	ATC	Power	Price
K-02941-33	45.0 to 95.0% Brix 1.4098 to 1.5318 RI	0.1% Brix 0.0001 RI	$\pm 0.1\%$ Brix ± 0.0002 RI	32 to 104°F (0 to 40°C)	One 9 V battery (included)	
K-02941-34	0.0 to 95% Brix 1.330 to 1.5318 RI	0.1% Brix 0.0001 RI	$\pm 0.1\%$ Brix ± 0.0002 RI			
K-02941-35	0.0 to 60.0% Brix 0.0 to 280.0 ppm 1.330 to 1.4419 RI	0.1% Brix 0.1% salinity 1 ppm 0.0001 RI	$\pm 0.1\%$ Brix $\pm 0.1\%$ salinity ± 1 ppm ± 0.0002 RI			
K-02941-36	1.000 to 1.090 urine s.g. 0 to 12 serum protein 1.330 to 1.4098 RI	0.001 urine s.g. 0.1 serum protein 0.0001 RI	± 0.0002 urine s.g. ± 0.1 serum protein ± 0.0002 RI			

[K-09376-04](#) Replacement batteries; 9 V. Pack of 4

ATAGO® Refractometer

Choose from four scales—Brix, inverted sugar, HFCS-55 and HFCS-42

- $\pm 0.05\%$ accuracy with a measurement range of 0.00% to 95.00% Brix!
- Measure concentrations of fruit and fruit juices, jams, pastes, canned syrups, sauces and liquid sugars

This automatic refractometer is ideal for the food, beverage, pharmaceutical and chemical industries as it can be used to measure a wide variety of samples. Coolants, ethanol, amino acid and brine solutions can also be measured with the highest level of accuracy ($\pm 0.05\%$) and the widest Brix measuring range (0.00 to 95.00%). Samples can be measured with ease ensuring quality and process control.

Automatic temperature compensation allows for the measurement of samples that are above or below room temperature. The temperature of each sample is displayed at the time of measurement, eliminating potential uncertainties. There are only three operation keys: zero, start and scale, making measurements quick and easy. Apply a sample on the surface of the prism, press and release the start key and the measured value is displayed in five seconds.

This unit is very easy to calibrate. Simply clean the prism, add distilled water then press the zero key. RS-232 enables you to store and send output data to your computer or printer.

What's included: a 115 VAC adapter, 6½-ft power cord, and two plastic sample spoons.

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See our "Polarimeters" section to determine concentration and purity of your samples.



81100-40

ISO 9001:2000
SUPPLIER CERTIFIED

Specifications & Ordering Information

Sample volume: 0.1 mL, minimum	Output: RS-232	Display: 4-digit LED	Dimensions: 4¾"W x 3½"H x 10⅝"D			
Catalog number	Range	Resolution	Accuracy	ATC	Power	Price
K-81100-40	0.00 to 95.00% Brix	0.01% Brix	$\pm 0.05\%$ Brix	41 to 104°F (5.00 to 40.00°C)	100 to 240 VAC, 50/60 Hz	